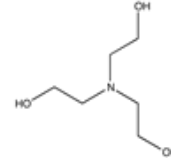


Identification

C₆H₁₅NO₃
M = 149,19 g/mol
CAS [102-71-6]
EC number: 203-049-8
Taric code: 2922 13 10

**Synonyms**

Tris (2-hydroxyethyl)amine, 2,2',2''-Trihydroxytriethylamine, TEA

Applications

corrosion inhibitor, cosmetics, emulsifier, in the textile industry, herbicide, manufacturing of synthetic resins, in building materials, manufacture of dyes, in lubricant compositions, in the pharmaceuticals industry, in pharma industry.

Specifications

assay (acidimetric, on dried sample)..... 99,0 - 103,0 %
Identification C (EP)..... passes test
Identification C (USP)..... passes test
Identification D (EP)/B (USP) passes test
Identification IR..... passes test
density (25°/25°)..... 1,120 - 1,128
density (20°/20°)..... 1,120 - 1,130
refractive index n₂₀/D..... 1,482 - 1,485

appearance of solution.....clear and colourless

Related substances:

impurity A..... max. 0,1 %
impurity B..... max. 0,5 %
impurity C..... max. 24 ppb
total impurities..... max. 1,0 %
disregard limit.....max. 0,05 %
residue on ignition.....max. 0,05 %
water (K.F.)..... max. 0,5 %

Physical data

- Density: 1,12 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 21,2 °C
- Boiling point: (hPa) 208 °C
- Flash point: 190 °C
- Ignition temperature: 325 °C
- Vapour pressure: (21 °C) 0,0003 hPa
- Expl. limit (upper): 7,2 Vol%
- Expl. limit (lower): 3,6 Vol%
- pH(15 g/l H₂O, 20 °C) 10,5
- Hygroscopic

Transport/storage

- 10°C - 30°C